



STIC Search Report

EIC 2100

STIC Database Tracking Number: 122735

TO: Minh D Nguyen
Location: 4R20
Art Unit : 2137
Friday, May 21, 2004

Case Serial Number: 09/725674

From: Carol Wong
Location: EIC 2100
PK2-4B33
Phone: 305-9729

carol.wong@uspto.gov

Search Notes

Dear Examiner Nguyen,

Attached are the search results (from commercial databases) for your case.

Color tags mark the patents/articles which appear to be most relevant to the case. Color of tag has no significance. Pls review all documents, since untagged items might also be of interest. If you wish to order the complete text of any document, pls submit request(s) directly to the EIC2100 Reference Staff located in PK2-4B40.

Pls call if you have any questions or suggestions for additional terminology, or a different approach to searching the case. Finally, pls complete the attached Search Results Feedback Form, as the EIC/STIC is continually soliciting examiners' opinion of the search service.

Thanks,
Carol



STIC EIC 2100

Search Request Form

122735

Today's Date:

5/21/04

What date would you like to use to limit the search?

Priority Date: Dec 16, 99 Other:

Name Minh D. Nguyen
AU 2137 Examiner # 79995
Room # R20 Phone 3059727
Serial # 09/725674

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB
IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Distributing digital content using watermarking.

- 1/ duplicate/copy a part of digital content, include copyright info., encrypt the whole thing.
- 2/ embed) in digital content an invisible info. comprising position + size for arranging the copyright info. and the encryption key.

STIC Searcher canh Phone 3059727
Date picked up 5-21-04 Date Completed 5-21-04



File 348:EUROPEAN PATENTS 1978-2004/May W02

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040513,UT=20040506

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	140115	(DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYBER OR ONLINE OR VIRTUAL OR LINE) (1W) (CONTENT? ? OR ASSET? ? OR DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES - OR OBJECT? ? OR RECORD? ?)
S2	104	EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
S3	2780	(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? - OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?) (- 2W) S1:S2
S4	716	(PART OR PARTS) (2W) S1:S2
S5	304054	DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR REPRODUC? OR CLONE? ? OR CLONING OR RE() PRODUC????? ?
S6	27923	ENCRYPT? OR ENCIPHER? OR ENCYpher? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCRYPT? OR DECIPHER? OR DECYpher? OR UNCRYPT? OR UNCYpher? OR UNCIPHER?
S7	27923	ENCRYPT? OR ENCIPHER? OR ENCYpher? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCRYPT? OR DECIPHER? OR DECYpher? OR UNCRYPT? OR UNCYpher? OR UNCIPHER?
S8	4054	DESCRAMBL? OR UNSCRAMBL?
S9	9576	SCRAMBL?
S10	234290	CODED OR CODING OR ENCOD????? ? OR INCOD????? ? OR CODIFY? OR CODIFIE? OR CODIFICA? OR DECOD????? ? OR UNENCOD? OR UNINCOD? OR UNCOD????? ?
S11	3720	WATERMARK? OR WATER() (MARK OR MARKS OR MARKED OR MARKING? - ?) OR STEGANOGRAPH? OR STEGANOGRAM? OR STEGANO() (GRAPH????? ? - OR GRAM? ?)
S12	37971	S5(3N) (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)
S13	8212	S5(3N) (PART OR PARTS)
S14	178	S3:S4(10N) S5
S15	368	S12:S13(15N) S1:S2
S16	114	S14:S15(25N) S7:S10
S17	44	S14:S15(25N) S7:S9
S18	6350	IC='H04L-009'
S19	265	IC='G09C-001'
S20	153	IC='H04N-001/44'
S21	17	S14:S15 AND S18:S20
S22	1	S17(25N) S11
S23	3	S16(25N) S11
S24	9	S14:S15(25N) S11
S25	1	S24 AND S18:S20
S26	4	S22:S23 OR S25
S27	4	IDPAT (sorted in duplicate/non-duplicate order)
S28	4	IDPAT (primary/non-duplicate records only)
S29	43	S17 NOT S28
S30	43	IDPAT (sorted in duplicate/non-duplicate order)
S31	43	IDPAT (primary/non-duplicate records only)

28/5, K/3 (Item 3 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

01084247 **Image available**

SECURE PRESENTATION OF ENCRYPTED DIGITAL CONTENT
PRESENTATION SECURISEE DE FLUX MULTIMEDIA REALISEE EN REPONSE A UN CONTENU
NUMERIQUE CHIFFRE

Patent Applicant/Assignee:

KALEIDESCAPE INC, 339 North Bernardo Avenue, Suite 100, Mountain View, CA 94043, US, US (Residence), US (Nationality)

Inventor(s):

MALCOLM Michael A, P.O. Box 7667, Aspen, CO 81612, US,
COLLENS Daniel A, 790 Bonavista Drive, Waterloo, Ontario N2K 3Z8, CA,
WATSON Stephen, 65 Clinton Street, Toronto, Ontario M6G 2Y4, CA,
RECHSTEINER Paul, 109 Front St. E., Apt. 627, Toronto, Ontario M5A 4P7, CA,

HUI Kevin, 308-29 West Avenue, Kitchener, Ontario N2M 5E4, CA,

Legal Representative:

SWERNOFSKY Steven A (agent), Swernofsky Law Group PC, P.O. Box 390013, Moutain View, CA 94039-0013, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200406559 A2-A3 20040115 (WO 0406559)

Application: WO 2003US21650 20030709 (PCT/WO US03021650)

Priority Application: US 2002394630 20020709; US 2002394922 20020709; US 2002394588 20020709; US 2003356692 20030131; US 2003356322 20030131; US 2003377266 20030228; US 2003378046 20030228

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-009/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9824

English Abstract

Secure presentation of media streams (110) includes encoding the media streams (110, 111) into digital content (111), encrypting a portion of that digital content (230, 231, 232), the portion being required for presentation, in which the encrypted version is substantially unchanged in formatting parameters from the clear version of the digital content (111). Selecting those portions for encryption so there is no change in distribution of the media stream: packetization of the digital data, or synchronization of audio with video portions of the media stream. When encoding the media stream into MPEG-2, refraining from encrypting information by which the video block data is described, packet formatting information, and encrypting the video block data using a block-substitution cipher. A block-substitution cipher can be used to encrypt each sequence of 16 bytes of video data in each packet, possibly leaving as many as 15 bytes of video data in each packet in the clear (260).

French Abstract

L'invention concerne la presentation securisee de flux multimedia qui est realisee au moyen d'un procede consistant : a coder le flux multimedia en contenu numerique ; a chiffrer une partie de ce contenu numerique, cette

partie etant necessaire a la presentation et la version chiffree restant sensiblement la même dans le formatage de parametres de la version non chiffree du contenu numerique ; a selectionner ces parties pour un chiffrage de facon qu'aucune modification ne soit apportee a la distribution du flux multimedia : paquetisation des donnees numeriques ou synchronisation des parties audio avec les parties video du flux multimedia. Lorsque le codage du flux multimedia se fait en MPEG-2, le procede consiste a eviter de chiffrer des informations au moyen desquelles le bloc de donnees video est decrit, a formater par paquets ces informations et a chiffrer le bloc de donnees video au moyen d'un chiffre de substitution de bloc. Un chiffre de substitution de bloc peut etre utilise pour chiffrer chaque sequence de 16 octets de donnees video dans chaque paquet, en laissant eventuellement 15 octets de donnees video dans chaque paquet de la version non chiffree.

Legal Status (Type, Date, Text)

Publication 20040115 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20040401 Late publication of international search report
Republication 20040401 A3 With international search report.

Main International Patent Class: H04L-009/00

Fulltext Availability:

Detailed Description

Detailed Description

... as described herein. The memory or mass storage 14 lb is also capable of maintaining **copies** of at least **portions** of the **digital content** 111, possibly **watermarked** or fingerprinted as described in related applications "Parallel Distribution and Fingerprinting of Digital Content," (Collens...).

28/5,K/4 (Item 4 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00811788 **Image available**

A METHOD AND APPARATUS FOR WATERMARKING DIGITAL CONTENT

PROCEDE ET APPAREIL POUR POURVOIR D'UN FILIGRANE UN CONTENU NUMERIQUE

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, M/S: UPAL01-521, Palo Alto, CA 94303, US, US (Residence), US (Nationality)

Inventor(s):

CARONNI Germano, 1063 Morse Avenue #25-300, Sunnyvale, CA 94089, US, SCHUBA Christoph, 473 Hope Street #1, Mountain View, CA 94041, US,

Legal Representative:

HECKER Gary A (et al) (agent), The Hecker Law Group, Suite 2300, 1925 Century Park East, Los Angeles, CA 90067, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200145410 A2-A3 20010621 (WO 0145410)

Application: WO 2000US33151 20001206 (PCT/WO US0033151)

Priority Application: US 99461259 19991215

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04N-001/32

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 8069

English Abstract

A method and apparatus for watermarking digital data is described herein whereby the digital data is decomposed into a plurality of original data segments, one or more of the original data segments replicated at least once to generate replica data segments, a set of watermarks is generated, each watermark is applied to a respective data segment to generate watermarked data segments, the data segments are encrypted using encryption keys to generate encrypted data segments. One or more embodiments of the invention include providing a subset of the encryption keys corresponding to a subset of the encrypted data segments, wherein each encrypted data segment in the subset of the encrypted data segments, can be decrypted using a corresponding encryption key in the subset of encryption keys, and wherein the decrypted data segments can be combined to reconstruct the digital data including one or more of the watermarks.

French Abstract

L'invention concerne un procede et un appareil pour pourvoir d'un filigrane un contenu numerique. Dans ce procede, les donnees sont decomposees en plusieurs segments de donnees d'origine, un ou plusieurs segments de donnees sont dupliques au moins une fois pour generer des segments de donnees de replique; on genere un ensemble de filigranes, et chaque filigrane est applique a un segment de donnees correspondant pour generer des segments de donnees a filigrane; et l'on chiffre les segments de donnees en utilisant des cles de chiffrage pour generer des segments de donnees qui sont chiffres. Dans un ou plusieurs modes de realisation de l'invention, on fournit un sous-ensemble de cles de chiffrage correspondant a un ensemble de segments de donnees chiffres, et chaque segment de donnees chiffre faisant parti d'un sous-ensemble de segments de donnees chiffres peut etre dechiffre au moyen d'une cle de chiffrage correspondante dans le sous-ensemble de cles de chiffrage. Les segment de donnees dechiffres peuvent etre combines pour reconstruire les donnees numeriques comprenant un ou plusieurs filigranes.

Legal Status (Type, Date, Text)

Publication 20010621 A2 Without international search report and to be republished upon receipt of that report.

Examination 20010927 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20011227 Late publication of international search report

Republication 20011227 A3 With international search report.

Fulltext Availability:

Detailed Description
Claims

Detailed Description

... the digital data for every recipient, all the recipients receive a copy of the same **encrypted** data segments. According to one or more embodiments of the invention, the distribution set contains multiple **copies** (in data **segments**) of the original **digital data** with **watermarks** and location (or reconstruction) information. According to one or more embodiments of the invention, a...

Claim

... generator and said data segment generator, said watermark applicator configured to apply said plurality of **watermarks** to said at least one of said data segments.

47 The system of claim 45 further comprising:
decryptor configured to decrypt a subset of said **encrypted** data segments
using a subset of said plurality of **encryption** ;
reconstructor coupled to said **decryptor** , said reconstructor configured to combine said **decrypted** data **segments** to reconstruct a **copy** of said **digital data** , a copy of said **digital data** comprising a subset of said data segments wherein said subset of said data segments having a unique combination of **watermarks** .

01358354

Contents recording method, contents reproduction method, contents recorder, contents reproducer, and recording medium

Verfahren zur Inhaltsaufzeichnung und Inhaltswiedergabe, Inhaltsrekorder, Inhaltswiedergabegerat, und Aufzeichnungsmedium

Methode d'enregistrement et de reproduction du contenu, enregistreur et réproducteur du contenu, et support d'enregistrement

PATENT ASSIGNEE:

VICTOR COMPANY OF JAPAN LIMITED, (278644), 12, Moriya-Cho 3-chome Kanagawa-Ku, Yokohama-Shi Kanagawa-Ken, (JP), (Applicant designated States: all)

INVENTOR:

Inoha, Wataru, 1-4-11-301, Morisaki, Yokosuka-shi, Kanagawa-ken, (JP)
Higurashi, Seiji, 1-36-7, Midori-cho, Fuchu-shi, Tokyo, (JP)
Sugahara, Takayuki, 3-23-7-1-702, Hon-cho, Yokosuka-shi, Kanagawa-ken, (JP)

Kuroda, Yoshiro, 23-13-908, Tsukuno-cho, Tsurumi-ku, Yokohama-shi, Kanagawa-ken, (JP)

LEGAL REPRESENTATIVE:

HOFFMANN - EITLE (101511), Patent- und Rechtsanwalte Arabellastrasse 4, 81925 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1158513 A2 011128 (Basic)

APPLICATION (CC, No, Date): EP 2001112065 010525;

PRIORITY (CC, No, Date): JP 2000154326 000525; JP 2000194148 000628; JP 2000156022 000526; JP 2000194147 000628

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G11B-020/00

ABSTRACT EP 1158513 A2

A method according to the present invention starts reproduction of contents (15) while contents validity is verified based on signature information (24). If it is found that the contents are invalid as a result of contents validity verification based on the signature information, the method stops the reproduction of contents and inhibits subsequent reproduction. The method may verify the validity only when a flag (20) indicates that the signature information for contents validity to be reproduced is present. Also, the method may compare an invalid signature information entry (30) recorded in signature information memory (28) with the signature information (24) read from the recording medium (12). If the signature information memory contains an entry that matches the signature information, the method does not request a signature verification unit (22) to verify the contents of the signature but determines the contents (15) as invalid.

ABSTRACT WORD COUNT: 146

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 011128 A2 Published application without search report

Examination: 011128 A2 Date of request for examination: 20010525

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
----------------	----------	--------	------------

CLAIMS A	(English)	200148	916
----------	-----------	--------	-----

SPEC A	(English)	200148	3994
--------	-----------	--------	------

Total word count - document A		4910	
-------------------------------	--	------	--

Total word count - document B		0	
-------------------------------	--	---	--

Total word count - documents A + B		4910	
------------------------------------	--	------	--

...SPECIFICATION to some other recorder.

In the embodiment described above, digital contents are recorded

without being **encrypted** . At least **part** of the **digital contents** may be **encrypted** before recording, and **decrypted** by the **reproducer** .

As described above, the method used in the embodiment compares the invalid signature information entries...

...from the recording medium.

In the embodiment described above, digital contents are recorded without being **encrypted** . At least **part** of the **digital contents** may be **encrypted** before recording, and **decrypted** by the **reproducer** .

Also, in the above embodiment, various types of information such as the digital contents, copy...

31/5, K/13 (Item 13 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01308783

DATA DISTRIBUTION SYSTEM AND RECORDER FOR USE THEREIN
DATENVERTEILUNGSVORRICHTUNG UND ZUGEHORIGES AUFZEICHNUNGSGERAT
SYSTEME DE DISTRIBUTION DE DONNEES ET ENREGISTREUR A UTILISER DANS CE
SYSTEME

PATENT ASSIGNEE:

Sanyo Electric Co., Ltd., (2206455), 5-5, Keihan-Hondori 2-chome,,
Moriguchi-shi, Osaka 570-8677, (JP), (Applicant designated States: all)
PFU LIMITED, (930123), Nu-98-2, Aza-Uno, Uno, Kahoku-gun
Ishikawa 929-1125, (JP), (Applicant designated States: all)
FUJITSU LIMITED, (211463), 1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki-shi, Kanagawa 211-8588, (JP), (Applicant designated States:
all)
Hitachi, Ltd., (204145), 6 Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
101-8010, (JP), (Applicant designated States: all)
Nippon Columbia Co., Ltd., (2395621), 14-14 Akasaka 4-chome, Minato-ku,
Tokyo 107-8011, (JP), (Applicant designated States: all)

INVENTOR:

HORI, Yoshihiro Sanyo Electric Co., Ltd, 5-5, Keihanhondori 2-chome,
Moriguchi-shi, Osaka 570-8677, (JP)
HIOKI, Toshiaki Sanyo Electric Co., Ltd, 5-5, Keihanhondori 2-chome,
Moriguchi-shi, Osaka 570-8677, (JP)
KANAMORI, Miwa Sanyo Electric Co., Ltd, 5-5, Keihanhondori 2-chome,
Moriguchi-shi, Osaka 570-8677, (JP)
YOSHIKAWA, Takatoshi Sanyo Electric Co., Ltd, 5-5, Keihanhondori 2-chome,
Moriguchi-shi, Osaka 570-8677, (JP)
TAKEMURA, Hiroshi Sanyo Electric Co., Ltd, 5-5, Keihanhondori 2-chome,
Moriguchi-shi, Osaka 570-8677, (JP)
TAKAHASHI, Masatake PFU Limited, Nu98-2, Aza Uno, Uno, Kahoku-gun,
Ishikawa 929-1192, (JP)
HASEBE, Takayuki Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki-shi, Kanagawa 211-8588, (JP)
FURUTA, Shigeki Fujitsu Limited, 1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki-shi, Kanagawa 211-8588, (JP)
HATAKEYAMA, Takahisa Fujitsu Limited, 1-1, Kamikodanaka 4-chome,
Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, (JP)
TONEGAWA, Tadaaki Semiconductor & Integr. Circuits, Hitachi, Ltd 20-1,
Josuihoncho 5-chome, Kodaira-shi, Tokyo 187-8588, (JP)
ANAZAWA, Takeaki Nippon Columbia Co., Ltd, 14-14, Akasaka 4-chome,
Minato-ku, Tokyo 107-8011, (JP)

LEGAL REPRESENTATIVE:

Glawe. Delfs: Moll (100699), Patentanwalte Postfach 26 01 62, 80058
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1237325 A1 020904 (Basic)
WO 2001041359 010607

APPLICATION (CC, No, Date): EP 2000978048 001201; WO 2000JP8497 001201
PRIORITY (CC, No, Date): JP 99345244 991203

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04L-009/32; G06F-012/14; G10K-015/02;
G06F-013/00

CITED PATENTS (WO A): XP 2937811

CITED REFERENCES (WO A):

JP 2000357127 A

JP 6326786 A

JP 11328850 A

Digital Transmission Content Protection Specification, Volume 1
(Informational Version), Revision 1.0, (1999 April), XP002937811,

ABSTRACT EP 1237325 A1

A license server (10) includes a CRL database (306) holding a revocation list recording therein classes predetermined corresponding respectively to a memory device, such as a memory card, and a content reproduction circuit, such as a cellular phone, that are subjected to revocation of distributing, reproducing and transferring content data. A distribution control unit (315) suspends an operation distributing content data if the distribution is addressed to a class listed on the revocation list. The revocation list is also held in the memory card and distribution control unit (315) in distributing content also transmits information for updating the revocation list in the memory card.

ABSTRACT WORD COUNT: 105

NOTE:

Figure number on first page: 0005

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010801 A1 International application. (Art. 158(1))

Application: 010801 A1 International application entering European phase

Application: 020904 A1 Published application with search report

Examination: 020904 A1 Date of request for examination: 20020702

Assignee: 021211 A1 Transfer of rights to new applicant: Sanyo Electric Co., Ltd. (2206455) 5-5, Keihan-Hondori 2-chome, Moriguchi-shi, Osaka 570-8677 JP
FUJITSU LIMITED (211463) 1-1, Kamikodanaka 4-chome, Nakahara-ku Kawasaki-shi, Kanagawa 211-8588 JP
Hitachi, Ltd. (204145) 6 Kanda Surugadai 4-chome Chiyoda-ku, Tokyo 101-8010 JP

Change: 030102 A1 Inventor information changed: 20021107

LANGUAGE (Publication, Procedural, Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
----------------	----------	--------	------------

CLAIMS A	(English)	200236	5603
----------	-----------	--------	------

SPEC A	(English)	200236	14095
--------	-----------	--------	-------

Total word count - document A		19698
-------------------------------	--	-------

Total word count - document B		0
-------------------------------	--	---

Total word count - documents A + B		19698
------------------------------------	--	-------

...SPECIFICATION replaced by steps S145 and S147.

Initially in memory card 115 reproduction information including an **encrypted** license key is **decrypted** with Km(1), and (Kc//AC2)Kcom, a license ID, a content ID and AC1 are accepted (step S145).

Furthermore, a **portion** thereof, i. e., **reproduction information** (Kc//AC2)Kcom, which is not recorded in license information hold unit 1420 corresponding to a TRM region, is **encrypted** by **encryption** unit 1452 using symmetric key K(1) and it is thus recorded in memory 245...

31/5, K/16 (Item 16 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01115086

Method and system for processing information on encryption basis
Verfahren und System zur Informationsverarbeitung auf Basis von

Verschlüsselung

Procede et systeme de traitement d'informations sur la base de chiffrage
PATENT ASSIGNEE:

Victor Company of Japan, Ltd., (278645), 3-12 Moriya-cho, Kanagawa-ku,
Yokohama 221-0022, (JP), (Applicant designated States: all)

INVENTOR:

Yokouchi, Kentaro, 4-2-405, Sugita Tsubonomi, Isogo-ku, Yokohama-shi,
Kanagawa-ken, (JP)

LEGAL REPRESENTATIVE:

Pellmann, Hans-Bernd, Dipl.-Ing. et al (9227), Patentanwaltsburo
Tiedtke-Buhling-Kinne & Partner Bavariaring 4, 80336 München, (DE)

PATENT (CC, No, Kind, Date): EP 977107 A2 000202 (Basic)

APPLICATION (CC, No, Date): EP 99113424 990712;

PRIORITY (CC, No, Date): JP 98230011 980731

**DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE**

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-001/00

ABSTRACT EP 977107 A2

A data processing apparatus generates a random number key, and generates a first intermediate key in response to the random number key. The data processing apparatus memorizes the first intermediate key in connection with an identifier. A combination of the identifier and the random number key is transmitted from the data processing apparatus to a reproducing device. The reproducing device generates a second intermediate key in response to the random number key. A combination of the identifier and the second intermediate key is transmitted from the reproducing device to the data processing apparatus. The data processing apparatus retrieves the first intermediate key in response to the identifier transmitted from the reproducing device. The data processing apparatus decides whether or not the retrieved first intermediate key and the second intermediate key are equal to each other. The data processing apparatus and the reproducing device are disconnected from each other when the data processing apparatus decides that the retrieved first intermediate key and the second intermediate key are not equal to each other. The data processing apparatus generates a first bus key in response to the first intermediate key. The reproducing device generates a second bus key in response to the second intermediate key. Encryption and decryption of digital information transmitted between the reproducing device and the data processing apparatus are implemented in response to the first and second bus keys.

ABSTRACT WORD COUNT: 230

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 20000202 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200005	3281
SPEC A	(English)	200005	16367
Total word count - document A			19648
Total word count - document B			0
Total word count - documents A + B			19648

...SPECIFICATION compact disc) and a DVD (a digital versatile disc).

A conceivable DVD stores encrypted or **scrambled** digital information pieces representing different video titles (that is, video contents of different types) respectively. A DVD player or a DVD drive reproduces the **encrypted** **digital** **information** pieces from the conceivable DVD. It is desirable that the **reproduced** **digital** **information** **pieces** are **re-encrypted** before being transmitted to an authorized data processing apparatus such as an authorized personal computer...

01021334

Apparatus for receiving digital broadcast signal and apparatus for recording and reproducing digital broadcast information included in the digital broadcast signal

Vorrichtung zum Empfang eines digitalen Übertragungssignals sowie Vorrichtung zur Aufzeichnung und Wiedergabe der im digitalen Übertragungssignal eingefügten digitalen Übertragungsinformation

Appareil de réception d'un signal de transmission numérique et appareil d'enregistrement et de reproduction de l'information de transmission numérique contenue dans le signal de transmission numérique

PATENT ASSIGNEE:

Victor Company of Japan, Ltd., (278645), 3-12 Moriya-cho, Kanagawa-ku, Yokohama 221-0022, (JP), (Applicant designated States: all)

INVENTOR:

Ohishi, Takeo, 2-47-3-206, Kajigaya-cho, Sakae-ku, Yokohama, (JP)

LEGAL REPRESENTATIVE:

Finsterwald, Martin, Dr. et al (75234), Manitz, Finsterwald & Partner GbR
Martin-Greif-Strasse 1, 80336 München, (DE)

PATENT (CC, No, Kind, Date): EP 914002 A2 990506 (Basic)
EP 914002 A3 020102

APPLICATION (CC, No, Date): EP 98120403 981028;

PRIORITY (CC, No, Date): JP 97312592 971029

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-007/167; H04N-005/44

ABSTRACT EP 914002 A2

When a received broadcast signal is received in a digital broadcast signal receiving apparatus, an entitlement management message EMM representing broadcast-watching enabling information is extracted from the received digital broadcast signal in an EMM extracting unit regardless of any operation. An extracted digital broadcast signal already descrambled in a preceding step is recorded in a recording unit. When a user selects a reproducing operation in a current step, particular digital broadcast information indicating a particular television program is extracted from the extracted digital broadcast signal in a packet extracting unit. Therefore, the particular television program can be reproduced. When a user selects a receiving operation in the current step, pieces of digital broadcast information indicating television programs are extracted from the received digital broadcast signal in the packet extracting unit and are descrambled according to the message EMM, and the pieces of digital broadcast information are recorded as an extracted digital broadcast signal of the current step in the recording unit. Accordingly, because the message EMM is extracted regardless of any operation, the pieces of digital broadcast information indicating television programs can be reliably extracted from the digital broadcast signal in the receiving operation.

ABSTRACT WORD COUNT: 195

NOTE:

Figure number on first page: 6

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 020102 A2 International Patent Classification changed:
20011109

Application: 990506 A2 Published application (A1with Search Report
;A2without Search Report)

Change: 021016 A2 Designated contracting states changed 20020829

Examination: 021016 A2 Date of request for examination: 20020207

Search Report: 020102 A3 Separate publication of the search report

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9918	1418
SPEC A	(English)	9918	8698
Total word count - document A		10116	

Total word count - document B 0
Total word count - documents A + B 10116

...SPECIFICATION signal selected by the switch 203 in the direct reproducing operation and the receiving operation, **deciphering** the entitlement management message EMM and the entitlement control messages ECM in the direct **reproducing** operation and the receiving operation, extracting each piece of **digital** broadcast **information** from the received digital broadcast signal, performing a **descrambling** processing for each digital broadcast information by using the entitlement management message EMM and the...

31/5, K/18 (Item 18 from file: 348)
DIALOG(R) File 348: EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00865744

Image information processing system and microprocessor for the protected reproduction of AV data
Bildinformationsverarbeitungssystem und Mikroprozessor fur die geschutzte Reproduktion von audiovisuellen Daten
Dispositif de traitement d'information d'image et microprocesseur pour la reproduction protegee de donnees audiovisuelles

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216885), 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-0050, (JP), (Applicant designated States: all)

INVENTOR:

Uesaka, Yasuhs, 2-16-16, Tsutsujigaokakita, Sanda-shi, Hyogo-ken 669-16, (JP)

Yamauchi, Kazuhiko, 19-1-407, Ishizuminami-machi, Neyagawa-shi, Osaka-fu 572, (JP)

Kozuka, Masayuki, 19-1-207, Ishizuminami-machi, Neyagawa-shi, Osaka-fu 572, (JP)

Higaki, Nobuo, Shining-Sato 2H, 4-15-26, Komatsu, Higashiyodogawa-ku, Osaka-shi, Osaka-fu, (JP)

Horiuchi, Koichi, 47-11-202, Nagisasakae-machi, Hirakata-shi, Osaka-fu 573, (JP)

Haruna, Syusuke, 4-73-2, Midorigaoka, Itami-shi, Hyogo-ken 664, (JP)

LEGAL REPRESENTATIVE:

Crawford, Andrew Birkby et al (29761), A.A. Thornton & Co. 235 High Holborn, London WC1V 7LE, (GB)

PATENT (CC, No, Kind, Date): EP 794487 A2 970910 (Basic)
EP 794487 A3 000830

APPLICATION (CC, No, Date): EP 97301528 970307;

PRIORITY (CC, No, Date): JP 9651247 960308; JP 96142507 960605; JP 96261524 961002

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-009/30; G11B-020/00; G06F-001/00

ABSTRACT EP 794487 A2

A microprocessor used in an image information processing system is provided. The microprocessor includes: decryption unit 59 for decrypting the encrypted compressed AV data; IDCT unit 58 for performing an inverse DCT to decompress the decrypted compressed AV data; and microprogram memory 54 for storing microprograms for executing the AV data reproduction instruction which performs decryption and decompression of the encrypted compressed AV data inseparably by using the decryption unit 59 and IDCT unit 58.

ABSTRACT WORD COUNT: 76

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Change: 000830 A2 International Patent Classification changed:
20000711

Application: 970910 A2 Published application (A1with Search Report
;A2without Search Report)

Assignee: 040204 A2 Transfer of rights to new applicant: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. (1855503) 1006, Oaza Kadoma Kadoma-shi, Osaka 571 JP
Examination: 001129 A2 Date of request for examination: 20001003
Search Report: 000830 A3 Separate publication of the search report
Examination: 030618 A2 Date of dispatch of the first examination report: 20030430

LANGUAGE (Publication, Procedural, Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9709W1	1662
SPEC A	(English)	9709W1	18794
Total word count - document A			20456
Total word count - document B			0
Total word count - documents A + B			20456

...SPECIFICATION issued during an execution of the "play(underscore)av" instruction.

In the present embodiment, disk **reproduction** drive 35 **encrypts** a **piece** of **digital** **data**, namely, a piece of AV data to be transferred, then outputs the **encrypted** digital data to control unit 37. Control unit 37 **decrypts** and decodes the digital data with the MPEG decoding. As a result, system routine PLAY...

?t31/5, k/24, 26-33

31/5, K/24 (Item 24 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

01101351 **Image available**

CONTENT DISTRIBUTION FOR MULTIPLE DIGITAL RIGHTS MANAGEMENT

DISTRIBUTION DE CONTENU POUR GESTIONS DE DROITS NUMERIQUES MULTIPLES

Patent Applicant/Assignee:

SONY ELECTRONICS INC, 1 Sony Drive, Park Ridge, NJ 07656, US, US
(Residence), US (Nationality)

Inventor(s):

CANDELORE Brant L, 10124 Quail Glen Way, Escondido, CA 92029-6502, US,

Legal Representative:

KANANEN Ronald P (et al) (agent), RADER FISHMAN & GRAUER PLLC, 1233 20th Street, NW, Suite 501, Washington, DC 20036, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200423717 A2 20040318 (WO 0423717)

Application: WO 2003US27774 20030908 (PCT/WO US03027774)

Priority Application: US 2002409675 20020909

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04L-009/32

International Patent Class: H04L-009/28; H04N-007/167; H04K-001/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6779

English Abstract

A method and apparatus for enabling use of multiple digital rights management scenarios (DRM). **Unencrypted** data representing **digital content** is examined to identify at least segments of content for **encryption**. The identified **segments** of content are **duplicated** and

then **encrypted** using a first **encryption** method associated with a first DRM to produce first **encrypted** segments. Duplicates are **encrypted** using a second **encryption** method associated with a second DRM to produce second encrypted segments. A set of pointers are generated that point to the first and second encrypted segments content. A file is then created containing first and second encrypted segments of content, pointers and unencrypted content along with DRM rights data to produce a selectively encrypted multiple DRM enabled file.

French Abstract

La presente invention concerne un procede et un appareil permettant d'utiliser des scenarii de gestion de droits numeriques. Des donnees non cryptees representant un contenu numerique sont examinees de facon a identifier au moins des segments de contenu en vue d'un cryptage. Les segments identifies du contenu sont dupliques puis cryptes par un premier procede de cryptage associe a une premiere gestion de droits numeriques de facon a produire des premiers segments cryptes. Des duplicates sont cryptes par un second procede de cryptage associe a une seconde gestion de droits numeriques de facon a produire des seconds segments cryptes. Un ensemble de pointeurs sont generees et ceux-ci pointent vers le contenu des premiers et des seconds segments de cryptage. Puis un fichier est cree, contenant des premiers et des seconds segments cryptes de contenu, des pointeurs et un contenu non crypte ainsi que des donnees de droits de gestion de droits numeriques de facon a produire un fichier actif selectivement crypte de gestion de droits numeriques multiples

Legal Status (Type, Date, Text)

Publication 20040318 A2 Without international search report and to be republished upon receipt of that report.

English Abstract

A method and apparatus for enabling use of multiple digital rights management scenarios (DRM). **Unencrypted** data representing **digital content** is examined to identify at least segments of content for **encryption**. The identified **segments of content** are **duplicated** and then **encrypted** using a first **encryption** method associated with a first DRM to produce first **encrypted** segments. Duplicates are **encrypted** using a second **encryption** method associated with a second DRM to produce second encrypted segments. A set of pointers...

31/5, K/26 (Item 26 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

01031185 **Image available**

A SYSTEM AND METHOD FOR SECURE DISTRIBUTION AND EVALUATION OF COMPRESSED DIGITAL INFORMATION
SYSTEME ET PROCEDE DE DISTRIBUTION ET D'EVALUATION D'INFORMATIONS NUMERIQUES COMPRIMEES

Patent Applicant/Assignee:

INTERNATIONAL BUSINESS MACHINES CORPORATION, Old Orchard Road, Armonk, NY 10504, US, US (Residence), US (Nationality)

Inventor(s):

FETKOVICH John E, 427 River Terrace, Apt. F-3, Endicott, New York 13760, US,

Legal Representative:

NEFF Daryl K (agent), International Business Machines Corporation, Dept. 18G/Bldg. 300-482, 2070 Route 52, Hopewell Junction, NY 12533-6531, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200361287 A1 20030724 (WO 0361287)

Application: WO 2002US38354 20021126 (PCT/WO US0238354)

Priority Application: US 200243369 20020109

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04N-007/167

Publication Language: English

Filing Language: English

Fulltext Availability:

 Detailed Description

 Claims

Fulltext Word Count: 9547

English Abstract

A method for controlling access to digital information is performed based on a plurality of decryption keys sent by the information provider. A first type of decryption key instructs (406, 410) a user's host system to reproduce the digital information in accordance with a first level of reproduction quality degradation. Additional keys may specify other degradation levels. The quality of the digital information may be degraded (314, 406, 410) based on a time condition or a use condition. Alternatively, only a portion of the information may be made viewable by a user. In order to obtain full and unrestricted access, the user must obtain a type (310) of decryption key from the provider which removes all previous limitations on reproduction quality degradation. Preferably, the digital information is sent with a media player application program embedded with an initial decryption key. The program may include tamper-resistant features which provide a safeguard against hackers or other forms of unauthorized access. A business method uses a pricing structure which makes the decryption keys available for different prices.

French Abstract

L'invention concerne un procede de commande d'accès à des informations numériques, mis en oeuvre à l'aide d'une pluralité de clés de chiffrement envoyées par le fournisseur d'information. Un premier type de clé de chiffrement donne la consigne (406, 410) au système hôte d'un utilisateur de reproduire les informations numériques selon un premier niveau de dégradation de la qualité de reproduction. Des clés supplémentaires peuvent spécifier d'autres niveaux de dégradation. La qualité des informations numériques peut se dégrader (314, 406, 410) en raison d'une condition temporelle ou d'une condition d'utilisation. En variante, une partie des informations seulement peut être visualisée par l'utilisateur. Afin d'obtenir un accès complet et sans restrictions, l'utilisateur doit obtenir un type (310) de clé de déchiffrement du fournisseur annulant toutes les limitations antérieures sur la dégradation de la qualité de reproduction. Les informations sont, de préférence, envoyées avec un programme d'application à un lecteur de contenu multimédia intégré dans une clé de chiffrement initiale. Le programme peut comprendre des caractéristiques d'inviolabilité constituant une protection contre les pirates informatiques ou d'autres formes d'accès non autorisé. L'invention concerne également un procédé commercial dans lequel est utilisée une structure de tarification grâce à laquelle les clés de chiffrement sont disponibles à différents prix.

Legal Status (Type, Date, Text)

Publication 20030724 A1 With international search report.

Examination 20031009 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

 Detailed Description

 Claims

Detailed Description

... be controlled by a time condition or a use condition (314). In addition, or alternatively, **reproduction** may be limited to only a portion of the **digital information** sought by the user. To control **reproduction** quality in this manner, the media player application preferably accesses a table of information which correlates each of the types

of **decryption** keys with a certain reproduction quality. For example, a first type

Claim

... predetermined number of times.

23 The method of claim 1 further comprising:

storing a first **decryption** key on the host system, wherein said application program is stored on the host system and is controlled by said first **decryption** key to **reproduce** only a **portion** of the digital information .

24 The method of claim 23, further comprising:

storing a second **decryption** key on the host system, wherein said application program reproduces the digital information a second...

31/5,K/27 (Item 27 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

01013038 **Image available**

SYSTEM AND METHOD FOR CONTROLLING THE USE AND DUPLICATION OF DIGITAL CONTENT DISTRIBUTED ON REMOVABLE MEDIA

SYSTEME ET PROCEDE PERMETTANT DE CONTROLER L'UTILISATION ET LA COPIE D'UN CONTENU NUMERIQUE DIFFUSE SUR UN SUPPORT D'INFORMATION AMOVIBLE

Patent Applicant/Assignee:

SONY CORPORATION, **, JP, JP (Residence), JP (Nationality), (For all designated states except: US)

SONY MUSIC INC, **, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

HUGHES David, New York, NY, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

FLOCK John (et al) (agent), Kenyon & Kenyon, One Broadway, New York, NY 10004-1050, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200342988 A1 20030522 (WO 0342988)

Application: WO 2002USS36970 20021115 (PCT/WO US0236970)

Priority Application: US 2001335112 20011115

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW (EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G11B-007/007

International Patent Class: H04L-009/00; H04N-007/10; H04N-007/16; H04N-007/167; H04N-017/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4589

English Abstract

Systems and methods for controlling the use and duplication of digital content distributed on removable media are described. In accordance with embodiments of the present invention digital content is protected by allowing a particular number of protected (e.g., encrypted) copies of the digital content to be made (202, 203). Typically, these copies may only be used on and moved between authorized devices (204, 205, 206). In one

embodiment, if copies are desired, the maximum number of allowable copies of the protected digital content are made and stored on a computer's hard drive when the storage medium (e.g., a CD) containing the content is inserted into the computer (201, 202, 203). Each copy can then be moved but not copied to other devices (e.g., portable solid state devices) (204, 205, 206). In an alternative embodiment, the storage medium containing the digital content is writable (e.g., a CD-R). When the storage medium is inserted into the computer, the computer writes information to the storage medium which regulates future copying and playing of the digital content on the storage medium (404).

French Abstract

L'invention concerne des systemes et des procedes permettant de controler l'utilisation et la copie d'un contenu numerique diffuse sur un support d'information amovible. Dans certains modes de realisation de la presente invention, le contenu numerique est protege selon une technique consistant a limiter le nombre de copies protegees (codees, par exemple) possibles (202, 203) du contenu numerique. En general, ces copies peuvent uniquement etre utilisees sur des dispositifs autorises (204, 205, 206) ou transferees entre ces derniers. Dans un mode de realisation, si l'on souhaite faire des copies d'un contenu numerique protege, le systeme fait un nombre predetermine de copies qu'il stocke sur le disque dur d'un ordinateur, lorsque le support d'enregistrement (un CD, par exemple) sur lequel figure le contenu numerique est introduit dans l'ordinateur (201, 202, 203). Chaque copie peut ensuite etre utilisee sur d'autres dispositifs (des transistors portatifs, par exemple) (204, 205, 206), mais ne peut pas etre a nouveau copiee sur ces autres dispositifs. Dans un autre mode de realisation, le support d'enregistrement contenant le contenu numerique est inscriptible (un CD-R, par exemple). Lorsque le support d'enregistrement est introduit dans l'ordinateur, ce dernier ecrit des informations sur le support d'enregistrement qui vont servir a controler la copie ulterieure et la lecture du contenu numerique sur le support d'enregistrement (404).

Legal Status (Type, Date, Text)

Publication 20030522 A1 With international search report.

Publication 20030522 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20030724 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Claims

Claim

... The digital storage medium of claim 2 wherein the protected version of the plurality of **segments** of **digital content data** are **encrypted**, compressed copies of the Redb60k audio tracks.

5 The digital storage medium of claim 4, further comprising...

31/5,K/28 (Item 28 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00907098 **Image available**

IMPROVEMENTS RELATING TO DIGITAL DATA DISTRIBUTION

AMELIORATIONS APPOREEES A LA DISTRIBUTION DE DONNEES NUMERIQUES

Patent Applicant/Inventor:

SHAW Robert, 58 Harvard Road, London W4 4ED, GB, GB (Residence), GB (Nationality)

FELSTEAD Derek, 49 Bradmore Park Road, London W6 0DT, GB, GB (Residence), GB (Nationality)

Legal Representative:

AHMAD Sheikh Shakeel (et al) (agent), David Keltie Associates, 12 New Fetter Lane, London EC4A 1AG, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200241204 A2-A3 20020523 (WO 0241204)
Application: WO 2001GB5110 20011120 (PCT/WO GB0105110)
Priority Application: GB 200028274 20001120
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9062

English Abstract

A method of and a system for providing a content buyer with Audio Visual (AV) data for use in a web site is described. The method comprises: receiving an on-line request specifying AV data desired by the content buyer; and matching the requested AV data with stored descriptive details in a catalogue of accessible AV data but which is stored at one or more remote content owner location. The method further comprises transmitting a broker request to at least one of the one or more content owner locations that has AV data matching that specified in the request; and on payment forwarding the specified AV data, received from a corresponding content owner location, to the content buyer for use in their web site.

French Abstract

L'invention concerne un procede et un systeme permettant de fournir a un acheteur de contenu, des donnees audiovisuelles destinees a etre utilisees sur un site web. Le procede consiste : a recevoir une demande en ligne specifiant les donnees audiovisuelles desirees par l'acheteur de contenu ; a associer les donnees audiovisuelles demandees avec des details descriptifs stockes dans un catalogue de donnees audiovisuelles accessibles, lesdites donnees etant stockees dans un ou plusieurs emplacements de proprietaires de contenu eloignes. Le procede consiste egalement a transmettre une demande de courtier a au moins un des emplacements de proprietaires de contenu eloignes possedant des donnees audiovisuelles correspondant a celles specifiees dans la demande ; et a envoyer, des que le paiement est effectue, les donnees audiovisuelles specifiees, recues de l'emplacement de proprietaire de contenu eloigne correspondant, a l'acheteur de contenu, ledit contenu etant destine a etre utilise sur le site web dudit acheteur.

Legal Status (Type, Date, Text)

Publication 20020523 A2 Without international search report and to be republished upon receipt of that report.

Search Rpt 20020815 Late publication of international search report

Republication 20020815 A3 With international search report.

Republication 20020815 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20021219 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... owner communications module 116 (see step 73 in Figure 2). The high-resolution forms are **unencrypted** and decompressed as necessary and stored in the temporary data store 124. The brokering processing engine I 1 8 then takes a **copy** of each **piece** of **digital content** received and forwards it to the low-resolution module 132, which reduces the resolution of...

31/5, K/29 (Item 29 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00891492 **Image available**
OPTICAL DISC AND A REPRODUCTION METHOD, REPRODUCTION APPARATUS, AND RECORDING APPARATUS FOR THE SAME
DISQUE OPTIQUE ET PROCEDE DE REPRODUCTION, APPAREIL DE REPRODUCTION, ET APPAREIL D'ENREGISTREMENT ASSOCIE

Patent Applicant/Assignee:

MATSUSHITA ELECTRIC INDUSTRIAL CO LTD, 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, JP, JP (Residence), JP (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

SHOJI Mamoru, 3-13-4-805, Mozuumemachi, Sakai-shi, Osaka 591-8032, JP, JP (Residence), JP (Nationality), (Designated only for: US)
NAKAMURA Atsushi, Syokoryo, 25-3, Mido-cho, Kadoma-shi, Osaka 571-0064, JP, JP (Residence), JP (Nationality), (Designated only for: US)
ISHIDA Takashi, 13-14, Hashimoto-Isoku, Yawata-shi, Kyoto 614-8331, JP, JP (Residence), JP (Nationality), (Designated only for: US)
ISHIBASHI Hiromichi, 6-H-503, Tenno 2-chome, Ibaraki-shi, Osaka 567-0876, JP, JP (Residence), JP (Nationality), (Designated only for: US)
MIYASHITA Harumitsu, B101, 5-15, Niina, Minoo-shi, Osaka 562-0005, JP, JP (Residence), JP (Nationality), (Designated only for: US)
SENGA Hisashi, 3-14-527, Miyukihiigashimachi, Neyagawa-shi, Osaka 572-0055, JP, JP (Residence), JP (Nationality), (Designated only for: US)
TAKAHASHI Rie, 7-85, Ikagakitamachi, Hirakata-shi, Osaka 573-0036, JP, JP (Residence), JP (Nationality), (Designated only for: US)

Legal Representative:

AOYAMA Tamotsu (et al) (agent), AOYAMA & PARTNERS, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 540-0001, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200225645 A2-A3 20020328 (WO 0225645)
Application: WO 2001JP8267 20010921 (PCT/WO JP0108267)
Priority Application: JP 2000288346 20000922; JP 2000292034 20000926; JP 2000323676 20001024

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G11B-007/013

International Patent Class: G11B-020/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 29044

English Abstract

An optical disk, and a method and apparatus for reproducing and/or recording data to the disk are provided for preventing illegal copying of authorized disks recording copyrighted digital content. The optical disk 10 has a control area 12 for storing control data, a data area 14 for storing main digital data (content), and an identification area 13 for storing sub-digital data specific to the main digital data. The sub-digital data is recorded as a pit sequence (R1, R3, R5) at a locally phase modulated clock timing. When disk identification data is recorded as the sub-digital data, key information stored to the reproduction apparatus is compared with identification data (sub-digital data) detected from jitter fluctuations in the identification area 13 when content is reproduced from the optical disk 10. If a specific correlation

is thus confirmed, the disk is recognized as a legally copied disk and reproduction is enabled. Illegal copies can thus be prevented.

French Abstract

L'invention concerne un disque optique, ainsi qu'un procede et un appareil permettant de reproduire et/ou d'enregistrer des donnees sur ledit disque de maniere a empêcher la copie illegale de disques autorises enregistrant un contenu numerique protege. Le disque optique comporte une zone de controle (12) stockant des donnees de controle, une zone de donnees (14) stockant les donnees numeriques principales (le contenu) et une zone d'identification (13) stockant des donnees sous-numeriques specifiques aux donnees numeriques principales. Les donnees sous-numeriques sont enregistrees comme sequence a depression (R1, R3, R5) selon une synchronisation d'horloge a modulation de phase locale. Lorsque les donnees d'identification de disque sont enregistrees comme donnees sous-numeriques, les informations cle, stockees dans l'appareil de reproduction, sont comparees aux donnees d'identification (donnees sous-numeriques) detectees a partir de fluctuations de gigue dans la zone d'identification (13) lorsque le contenu est reproduit a partir du disque optique (10). Si une correlation particulière est ainsi confirmee, le disque est reconnu comme etant un disque legalement copie et la reproduction est activee, ce qui permet d'empêcher des copies illegales.

Legal Status (Type, Date, Text)

Publication 20020328 A2 Without international search report and to be republished upon receipt of that report.
Examination 20020822 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20021128 Late publication of international search report
Republication 20021128 A3 With international search report.
Republication 20021128 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Claims

Claim

... from a channel signal corresponding to a series of the detected recording marks; and a **decrypting** section for decoding the **encrypted** main **digital data** based on the sub- **digital data** extracted by the extracting **section** .

45 The **reproducing** apparatus according to claim 44, wherein the sub- **digital data** extracting section coirprises a clock extracting section for extracting a synchronized channel bit clock from...

31/5,K/30 (Item 30 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00869114 **Image available**

SYSTEM AND METHOD FOR ENCRYPTING, DISTRIBUTING AND VIEWING ELECTRONIC DOCUMENTS

SYSTEME ET PROCEDE DE CHIFFREMENT, DE DISTRIBUTION ET DE VISUALISATION DE DOCUMENTS ELECTRONIQUES

Patent Applicant/Assignee:

ZINIO SYSTEMS INC, Suite 300, 8000 Marina Boulevard, Brisbane, CA 94105, US, US (Residence), US (Nationality)

Inventor(s):

MCCURDY Kevin, 1310 Bay Laurel Drive, Menlo Park, CA 94123, US, PAI Samuel Hong-Yen, 1 St. Francis Place, #5102, San Francisco, CA 94107, US,

KELLEHER John, 462 Chatham Road, Burlingame, CA 94010, US,

MAGGIOTTO Richard, 2501 Gough Street, Apt. 2, San Francisco, CA 94123, US

Legal Representative:

MIRABITO A Jason (agent), Mintz, Levin, Cohn, Ferris, Glovsky and Popeo
PC, One Financial Center, Boston, MA 02211, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200203189 A1 20020110 (WO 0203189)

Application: WO 2001US21035 20010702 (PCT/WO US0121035)

Priority Application: US 2000215683 20000630

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-007/00

International Patent Class: G06F-017/30

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 29133

English Abstract

The invention relates to systems and methods for distributing and viewing electronic documents. In one embodiment, the invention provides a system for distributing electronic versions of printed documents comprising a memory device and a distribution system. The memory device stores at least one electronic document file (58) that is based at least in part on a source electronic document provided by the content provider, wherein the source electronic document is an electronic version of a printed document. The distribution system is programmed for responding to requests from a client (78) for delivery of an electronic document file, retrieving a copy of, and assigning at least one right to the requested electronic document file, the right defining the scope of at least one action capable of being performed on at least a portion of said file, encrypting the copy of the electronic document file with a key based at a least in part on the identity of the client and on the at least one right (60), and providing the copy of the electronic document file, with the associated key, to the client. (78).

French Abstract

L'invention concerne des systemes et des procedes de distribution et de visualisation de documents electroniques. Dans une forme de realisation, l'invention concerne un systeme de distribution de versions electroniques de documents imprimes, qui comprend un dispositif de memoire et un systeme de distribution. Le dispositif de memoire stocke au moins un fichier (58) de document electronique base au moins partiellement sur un document electronique source fourni par le fournisseur de contenu, ce document electronique source etant une version electronique d'un document imprimé. Le systeme de distribution est programme pour repondre a des demandes provenant d'un client (78) concernant la remise d'un fichier de document electronique ; recuperer une copie du fichier de document electronique demande et lui attribuer au moins un droit, ce droit definissant l'etendue d'au moins une action pouvant etre mise en oeuvre sur au moins une partie du fichier ; chiffrer la copie du fichier de document electronique a l'aide d'une cle basee au moins partiellement sur l'identite du client et sur le(s) droit(s) (60) ; et fournir au client (78) la copie du fichier de document electronique et la cle associee.

Legal Status (Type, Date, Text)

Publication 20020110 A1 With international search report.

Correction 20030130 Corrected version of Pamphlet: pages 1/21-21/21,
drawings, replaced by new pages 1/21-21/21; due to
late transmittal by the receiving Office

Republication 20030130 A1 With international search report.

Examination 20030522 Request for preliminary examination prior to end of

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... the scope of at least one action capable of being performed on at least a portion of the copy of the electronic document file, encrypting the copy of the electronic document file with a key based at least in part on the identity of the client and...

...The right defines at least one action capable of being performed on at least a portion of the copy of the electronic document file. The means for distributing the electronic document file is in communication with the means for encrypting and provides a copy of the encrypted electronic document file and the key to the client requesting a copy of the electronic...

Claim

... defining the at least one action capable of being performed on at least a

5 portion of the copy of the electronic document file ; encrypting the copy of the electronic document file with a key based at least in part on the identity of the client and on the at least one right; and providing the encrypted copy of the electronic document file, with the associated key, to the client.

2 The...

31/5,K/31 (Item 31 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00852775 **Image available**

CONTROLLED DISTRIBUTING OF DIGITAL INFORMATION, IN PARTICULAR AUDIO
MAITRISE DE LA DISTRIBUTION D'INFORMATION NUMERIQUE, EN PARTICULIER AUDIO

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA
Eindhoven, NL, NL (Residence), NL (Nationality)

Inventor(s):

KAMPERMAN Franciscus L A J, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
LOKHOFF Gerardus C P, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:

RIEM Charles H (agent), Internationaal Octrooibureau B.V., Prof.
Holstlaan 6, NL-5656 AA Eindhoven, NL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186387 A1 20011115 (WO 0186387)

Application: WO 2001EP4504 20010420 (PCT/WO EP0104504)

Priority Application: EP 2000201663 20000510

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-001/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5071

English Abstract

Distribution of digital information, in particular audio, is controlled as follows. An information carrier (11) like a CD is distributed which has at least part of the digital information encrypted using an encryption key. A decryption key corresponding to the encryption key is also distributed to the user, e.g. on a reserved area of the CD. The user (32) reproduces the audio on a player (31), which decrypts the information using the key. However, at least part of the information is only reproduced after a Personalized Access Code PAC (40) is received by the player. The PAC is generated at a remote access center (33), e.g. an internet site. A database (34) connected the center and a player memory hold a player identifier and secret player key. The user transmits the player identifier and an information identifier identifying the CD to the access center, and the access center calculates the PAC using the identifier and the secret player key. The PAC is transmitted to the player which verifies the PAC using its own secret player key, and enables the reproduction of PAC protected parts of the information.

French Abstract

Selon l'invention, la distribution d'information numerique, en particulier audio, est maîtrisée comme suit. On distribue un support d'information (11), tel qu'un CD, dont au moins une partie de l'information numerique est codée à l'aide d'une clé de codage. On distribue aussi à l'utilisateur une clé de décodage correspondant à la clé de codage, par exemple sur une zone réservée du CD. L'utilisateur (32) peu reproduire la partie audio sur un lecteur (31) qui décode l'information en utilisant la clé. Cependant, au moins une partie de l'information n'est reproduite qu'après réception par le lecteur d'un code d'accès personnel (CAP) (40). Le CAP est généré à un centre d'accès distant (33), par exemple, un site Internet. Une base de données (34) connectée au centre et une mémoire de lecteur contiennent un identificateur de lecteur et une clé secrète de lecteur. L'utilisateur envoie au centre d'accès l'identificateur de lecteur et un identificateur d'information identifiant le CD, puis le centre d'accès calcule le CAP en utilisant l'identificateur et la clé secrète du lecteur. Le CAP est envoyé au lecteur qui vérifie ce CAP en utilisant sa propre clé secrète de lecteur, ce qui autorise la reproduction des parties d'information protégées par le CAP.

Legal Status (Type, Date, Text)

Publication 20011115 A1 With international search report.

Publication 20011115 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Publication 20011115 A1 Published entirely in electronic form (except the front page) and available upon request from the International Bureau.

Fulltext Availability:

Detailed Description

Detailed Description

... digital information, e.g. audio or video in a predefined format such as MP3 audio. Part of this digital information may be directly reproducible by a rendering device, e.g. an MP3 audio player. At least part of the information is encrypted using some encryption key, and a corresponding decryption key must be used for decrypting the information. The decryption key must be transferred to...

31/5,K/32 (Item 32 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00815103 **Image available**

PROVIDING AUTHORIZATION TO MAKE COPIES OF COPYRIGHT PROTECTED PRODUCTS

PURCHASED ONLINE

PROCEDE POUR DONNER AUTORISATION DE FAIRE DES COPIES DE PRODUITS COUVERTS

PAR LES DROITS D'AUTEUR ET ACHETES EN LIGNE

Patent Applicant/Assignee:

PITNEY BOWES INC, One Elmcroft Road, Stamford, CT 06926, US, US
(Residence), -- (Nationality)

Inventor(s):

ROSENBERG Nathan, 249 Argyle Road, Orange, CT 06477, US,
RYAN Frederick W, 4 Naples Lane, Oxford, CT 06478, US,

Legal Representative:

MEYER Robert E (agent), Intellectual Property & Technology Law, Pitney
Bowes Inc., 35 Waterview Drive, P.O. Box 3000, Shelton, CT 06484-8000,
US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200148657 A1 20010705 (WO 0148657)

Application: WO 2000US34703 20001220 (PCT/WO US0034703)

Priority Application: US 99474823 19991229

Designated States: AE AG AL AM AU AZ BA BB BG BR BY BZ CA CN CR CU CZ DM DZ
EE GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV
MA MD MG MK MN MW MX MZ NO NZ PL RO RU SD SG SI SK SL TJ TM TR TT TZ UA
UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 4048

English Abstract

A method for selling a digital content product in an online commercial transaction including the steps of encoding the digital content product; creating a digital file (180) including a header (202) having first information (204) about the digital content product and at least one corporate rate associated with authorization to make a predetermined number of copies of the digital content product upon purchase by a buyer, and the encoded digital content product (206); storing, as a product for sale, the digital file at a host computer (110, 112); providing access to the host computer by a buyer computer (102, 104) so that the buyer computer has access to the digital file and downloading the digital file to the buyer computer; displaying at least some of the first information together with the at least one corporate rate in a dialogue box at the buyer computer; subsequent to selection by the buyer via the buyer computer of the at least one corporate rate, establishing communication between the buyer computer and a broker computer (132) so that the broker computer accounts for cost associated with the at least one corporate rate and authorizes the purchase by the buyer of the predetermined number of copies of the digital content product by sending a product key to the buyer computer for use in decrypting the encrypted digital content product.

French Abstract

L'invention concerne un procede pour vendre un produit a contenu numerique lors d'une transaction commerciale effectuee en ligne, comprenant les etapes suivantes : coder le produit a contenu numerique; creer un fichier (180) numerique dote d'une en-tete (202) donnant une premiere information (204) sur le produit a contenu numerique et au moins un tarif concernant l'autorisation de faire un nombre determine de copies du produit a contenu numerique, suite a l'achat effectue par un client, et du produit a contenu numerique sous forme de code (206); stocker, en tant que produit a vendre, le fichier numerique sur un ordinateur principal (110, 112); fournir l'acces vers l'ordinateur principal a l'ordinateur d'un client (102, 104), de telle sorte que l'ordinateur du client a acces au fichier numerique et telecharger le fichier numerique sur l'ordinateur du client; afficher au moins en partie la premiere information ainsi qu'au moins un tarif dans une boite de dialogue sur l'ordinateur du client; une fois que le client a selectionne au moins un tarif via son ordinateur, etablir une communication entre l'ordinateur du client et l'ordinateur d'un courtier (132), de telle sorte que

l'ordinateur du courtier comptabilise les couts associes au tarif pris en compte et autorise l'achat par le client du nombre determine de copies du produit a contenu numerique en envoyant a l'ordinateur du client une cle du produit destinee au decryptage du produit a contenu numerique code.

Legal Status (Type, Date, Text)

Publication 20010705 A1 With international search report.

Publication 20010705 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20011011 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:

Detailed Description

Detailed Description

... product preview icon 216 the plug-in 178 provides the browser 176 with an actual copied portion of the unencrypted digital content which is displayed in a separate window. The browser 176, based on the preview MIME...

31/5,K/33 (Item 33 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00807545 **Image available**

COPYRIGHT PROTECTION SYSTEM

SYSTEME DE PROTECTION DU DROIT D'AUTEUR

Patent Applicant/Assignee:

RECORDING INDUSTRY TRADING COMPANY LIMITED, 54 Regent Street, London W1B 5RE, GB, GB (Residence), GB (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

GOOCH Richard Michael, 9 Eversley Road, Surbiton, Surrey KT5 8BG, GB, GB (Residence), GB (Nationality), (Designated only for: US)

Legal Representative:

MUSKER David Charles (et al) (agent), R.G.C. Jenkins & Co., 26 Caxton Street, London SW1H 0RJ, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200141138 A2-A3 20010607 (WO 0141138)

Application: WO 2000GB4616 20001201 (PCT/WO GB0004616)

Priority Application: GB 9928558 19991202

Designated States: CA JP US

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Main International Patent Class: G11B-020/00

International Patent Class: G11B-020/10; G06F-001/00; G06F-012/14

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7228

English Abstract

One embodiment of the invention relates to a digital data signal comprising: a first data set of source data (1) and control data (2), said source data being modified in accordance with said control data to generate an intermediate set (3) of modified data when said data signal is copied by equipment adapted to read data on a block by block basis; and a second data set (4) associated with said first data set, said second data set being provided to enable modifications made, or modifications that otherwise would be made to said first data set to generate said intermediate data set upon copying of said signal by said equipment, to be at least substantially negated. Other embodiments of the invention relate to a carrier having a data signal recorded thereon, to a method of generating such a data signal, to a method of copying such a

signal, to a computer program, to data copying apparatus and to a data transfer system.

French Abstract

Un mode de realisation de l'invention concerne un signal de donnees numeriques comprenant: un premier ensemble de donnees de donnees sources (1) et de donnees sources (2), lesdites donnees sources etant modifiees conformement auxdites donnees de controle pour produire un ensemble intermediaire (3) de donnees modifiees lorsque ledit signal de donnees est copie par un appareil capable de lire les donnees sur une base bloc par bloc; et un second ensemble de donnees (4) associe audit premier ensemble de donnees, ledit second ensemble de donnees comprenant des modifications autorisees realisees, ou des modifications qui seraient autrement realisees sur ledit premier ensemble de donnees pour produire ledit ensemble de donnees intermediaire lors du copiage dudit signal par l'intermediaire dudit appareil, devant etre au moins sensiblement annulees. D'autres modes de realisation de l'invention concernent un support sur lequel est enregistre un signal de donnees, un procede servant a produire un tel signal, un procede servant a copier un tel signal, un programme informatique, un dispositif de copiage de donnees, et un systeme de transfert de donnees.

Legal Status (Type, Date, Text)

Publication 20010607 A2 Without international search report and to be republished upon receipt of that report.

Examination 20011018 Request for preliminary examination prior to end of 19th month from priority date

Search Rpt 20011108 Late publication of international search report

Republication 20011108 A3 With international search report.

Fulltext Availability:

Claims

Claim

... any preceding claim, wherein said source data comprises audio and/or video data.

7 A **digital data** signal according to any preceding claim, wherein the second data set comprises an **encrypted copy** of at least **part** of said source data.

8 A **digital data** signal according to any preceding claim, wherein the second data set comprises an **encrypted** and possibly compressed copy of the whole of said source data.

9 A data carrier...

File 347:JAPIO Nov 1976-2004/Jan(Updated 040506)

(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200431

(c) 2004 Thomson Derwent

Set	Items	Description
S1	99067	(DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYBER OR ONLINE OR VIRTUAL OR LINE) (1W) (CONTENT? ? OR ASSET? ? OR DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES - OR OBJECT? ? OR RECORD? ?)
S2	8	EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
S3	1390	(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? - OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?) (- 2W) S1:S2
S4	828	(PART OR PARTS) (2W) S1:S2
S5	609646	DUPPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ?
S6	20947	ENCRYPT? OR ENCIPHER? OR ENCRYPTER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCRYPTER? OR DECIPHER? OR DECYPHER? OR UNCRYPT? OR UNCYIPHER? OR UNCIPHER?
S7	20947	ENCRYPT? OR ENCIPHER? OR ENCRYPTER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCRYPTER? OR DECIPHER? OR DECYPHER? OR UNCRYPT? OR UNCYIPHER? OR UNCIPHER?
S8	2998	DESCRAMBL? OR UNSCRAMBL?
S9	7610	SCRAMBL?
S10	363226	CODED OR CODING OR ENCOD????? ? OR INCOD????? ? OR CODIFY? OR CODIFIE? OR CODIFICA? OR DECOD????? ? OR UNENCOD? OR UNINCOD? OR UNCOD????? ?
S11	4461	WATERMARK? OR WATER() (MARK OR MARKS OR MARKED OR MARKING? - ?) OR STEGANOGRAPH? OR STEGANOGRAM? OR STEGANO() (GRAPH????? ? - OR GRAM? ?)
S12	14625	S5(3N) (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)
S13	15195	S5(3N) (PART OR PARTS)
S14	87	S3:S4(10N) S5
S15	263	S12:S13(15N) S1:S2
S16	77	S14:S15 AND S7:S10
S17	11	S14:S15 AND S7:S9
S18	32092	IC='H04L-009'
S19	10810	IC='G09C-001'
S20	3012	IC='H04N-001/44':IC='H04N-001/444'
S21	8724	MC='T01-J12C'
S22	5960	MC='T01-H01C2'
S23	12	S14:S15 AND S18:S20
S24	2	S14 AND S11
S25	3	S16 AND S11
S26	6	S15 AND S11
S27	15	S14:S15 AND S18:S22
S28	24	S17 OR S23:S27
S29	24	IDPAT (sorted in duplicate/non-duplicate order)
S30	23	IDPAT (primary/non-duplicate records only)

30/9/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015137711 **Image available**

WPI Acc No: 2003-198237/200319

XRPX Acc No: N03-157503

Digital content encryption method in video/audio on demand system, involves duplicating selected segments of digital content and encrypting duplicated copies of content, with different encryption keys

Patent Assignee: VIDUS INC (VIDI-N)

Inventor: CARNY O; TROYANSKY L

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020150239	A1	20021017	US 2001283949	P	20010417	200319 B
			US 2002122309	A	20020416	

Priority Applications (No Type Date): US 2001283949 P 20010417; US 2002122309 A 20020416

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 US 20020150239 A1 14 H04L-009/00 Provisional application US 2001283949

Abstract (Basic): US 20020150239 A1

NOVELTY - A **segment** of a **digital content** is selected and duplicated for creating several **copies** of the **segment**. The **copies** of the **segment**, are **encrypted** using different **encryption keys**.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for digital content **encryption** system.

USE - For real-time personalized **encryption** of digital content such as video content, audio content, e-book, document, software, slideshow, interactive content and executable code for use in real-time content distribution system e.g. video/audio on demand system operating over Internet.

ADVANTAGE - Saves computational resources and **encrypts** the digital content efficiently.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of digital content **encryption** method.

pp; 14 DwgNo 5/6

Technology Focus:

TECHNOLOGY FOCUS - INDUSTRIAL STANDARDS - The digital content is **encrypted** in MPEG compliant format.

Title Terms: DIGITAL; CONTENT; **ENCRYPTION**; METHOD; VIDEO; AUDIO; DEMAND; SYSTEM; DUPLICATE; SELECT; SEGMENT; DIGITAL; CONTENT; DUPLICATE; COPY; CONTENT; **ENCRYPTION**; KEY

Derwent Class: T01; W01; W02; W04

International Patent Class (Main): H04L-009/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-D01; T01-N01D1; W01-A05A; W02-F10A1; W02-F10N1; W04-P01A4

30/9/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

014418703 **Image available**

WPI Acc No: 2002-239406/200229

XRPX Acc No: N02-184583

Video segment production method for simulating real time transmission of video image, involves appending copy of header to predefined portion which is copied from the digital video file

Patent Assignee: THORN M (THOR-I)

Inventor: MAXWELL G; THORN M

Number of Countries: 094 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200152263	A1	20010719	WO 2001AU37	A	20010115	200229 B
AU 200126551	A	20010724	AU 200126551	A	20010115	200229

Priority Applications (No Type Date): AU 20005252 A 20000114

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200152263 A1 E 19 G11B-027/022

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200126551 A G11B-027/022 Based on patent WO 200152263

Abstract (Basic): WO 200152263 A1

NOVELTY - The header of a **digital video file** (61) is identified and stored. A predefined portion is identified within the file and **copied**. A video **segment** (60) is produced by appending a copy of the header to the copied portion.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Method of serving digital video files;
- (b) Method of using a computer to view digital video files

USE - For simulating real time transmission of video stream in client-server network.

ADVANTAGE - Allows user to access portion of video stream without compromising the copyright associated with the video stream.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart illustrating the steps carried out by the server program.

Video segment (60)

Digital video file (61)

pp; 19 DwgNo 2/4

Title Terms: VIDEO; SEGMENT; PRODUCE; METHOD; SIMULATE; REAL; TIME; TRANSMISSION; VIDEO; IMAGE; COPY; HEADER; PREDEFINED; PORTION; COPY; DIGITAL; VIDEO; FILE

Derwent Class: T01; W01; W02

International Patent Class (Main): G11B-027/022

File Segment: EPI

Manual Codes (EPI/S-X): T01-H01C2 ; T01-H05B1; T01-J05B2A; T01-J12C ; T01-N01D1B; T01-N01D3; W01-A03B; W01-A06B5B; W01-A06F5; W01-A06G2; W02-F07M; W02-F10A; W02-F10N; W02-K03

30/9/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

014095597 **Image available**

WPI Acc No: 2001-579811/200165

XRPX Acc No: N01-431623

Copyright protected digital data management e.g. for CATV broadcast, involves arranging visible watermark information corresponding to discrete data unit and authorization information as invisible watermark

Patent Assignee: FUJITSU LTD (FUIT); HASHIMOTO S (HASH-I); HIRANO H (HIRA-I); KOTANI S (KOTA-I); MURAMOTO K (MURA-I)

Inventor: HASHIMOTO S; HIRANO H; KOTANI S; MURAMOTO K

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010004736	A1	20010621	US 2000725674	A	20001130	200165 B
JP 2001177816	A	20010629	JP 99357131	A	19991216	200165

Priority Applications (No Type Date): JP 99357131 A 19991216

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

US 20010004736 A1 19 G06F-012/14

JP 2001177816 A 12 H04N-007/167

Abstract (Basic): US 20010004736 A1

NOVELTY - Content information (41) in data unit (43) is embedded as invisible digital **watermark** to create information added discrete data which is **encrypted** using content key (45). Visible **watermark** information is arranged in a position related to data unit (46) to create annex information added data unit. Composite data (60) is formed from **encrypted** data unit (46) and authorization information added unit (50) and embedded with invisible **watermark** type authorization information (48).

DETAILED DESCRIPTION - An administrator **duplicates portion of digital content** (11) based on image composition information (42) to create discrete data unit (43). INDEPENDENT CLAIMS are also included for the following:

- (a) Recording medium storing image generation program;
- (b) Recording medium storing image restoration program

Applications

USE - For distributing copyright protected digital content stored on floppy disk, hard disk, magneto optical disk, CD-ROM, DVD and mini-disk. Also for protecting computerized data distributed through Internet, cable television (CATV) broadcast, library apo-graphs, art museum collections.

ADVANTAGE - Provides data management which facilitates use only by legitimate users without violating copyright and literary property and eliminates time consuming in transmission and receiving of data and large memory capacity consumption for storing data. The technique enables user to overview portion of content before hiring. The transmission of data with authorization information embedded as invisible **watermark** eliminates need for transmitting **decryption** key through separate route.

DESCRIPTION OF DRAWING(S) - The figure shows the principle diagram of distributed data being created.

Digital content (11)
Content information (41)
Image composition information (42)
Discrete data unit (43)
Content key (45)
Data unit (46)
Authorization information (48)
Authorization information added unit (50)
Composite data (60)

pp; 19 DwgNo 5/10

Title Terms: PROTECT; DIGITAL; DATA; MANAGEMENT; CATV; BROADCAST; ARRANGE; VISIBLE; **WATERMARK**; INFORMATION; CORRESPOND; DISCRETE; DATA; UNIT; INFORMATION; INVISIBLE; **WATERMARK**

Derwent Class: T01; W02

International Patent Class (Main): G06F-012/14; H04N-007/167

International Patent Class (Additional): G06F-015/00; G06F-017/60; G06T-001/00; **H04L-009/32**; H04N-001/387; H04N-007/08; H04N-007/081

File Segment: EPI

Manual Codes (EPI/S-X): T01-D01; W02-F01

File 2:INSPEC 1969-2004/May W2
 (c) 2004 Institution of Electrical Engineers
 File 6:NTIS 1964-2004/May W3
 (c) 2004 NTIS, Intl Cpyrght All Rights Res
 File 8:EI Compendex(R) 1970-2004/May W2
 (c) 2004 Elsevier Eng. Info. Inc.
 File 34:SciSearch(R) Cited Ref Sci 1990-2004/May W3
 (c) 2004 Inst for Sci Info
 File 35:Dissertation Abs Online 1861-2004/Apr
 (c) 2004 ProQuest Info&Learning
 File 65:Inside Conferences 1993-2004/May W3
 (c) 2004 BLDSC all rts. reserv.
 File 94:JICST-EPlus 1985-2004/Apr W4
 (c) 2004 Japan Science and Tech Corp(JST)
 File 95:TEME-Technology & Management 1989-2004/May W1
 (c) 2004 FIZ TECHNIK
 File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Apr
 (c) 2004 The HW Wilson Co.
 File 111:TGG Natl.Newspaper Index(SM) 1979-2004/May 21
 (c) 2004 The Gale Group
 File 144:Pascal 1973-2004/May W2
 (c) 2004 INIST/CNRS
 File 202:Info. Sci. & Tech. Abs. 1966-2004/May 14
 (c) 2004 EBSCO Publishing
 File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
 (c) 2003 EBSCO Pub.
 File 266:FEDRIP 2004/Mar
 Comp & dist by NTIS, Intl Copyright All Rights Res
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
 File 483:Newspaper Abs Daily 1986-2004/May 20
 (c) 2004 ProQuest Info&Learning
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group
 File 603:Newspaper Abstracts 1984-1988
 (c) 2001 ProQuest Info&Learning

Set Items Description
 S1 230628 (DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYBER OR ONLINE OR VIRTUAL OR LINE) (1W) (CONTENT? ? OR ASSET? ? OR DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES - OR OBJECT? ? OR RECORD? ?)
 S2 213 EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
 S3 500 (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? - OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?) (-2W) S1:S2
 S4 220 (PART OR PARTS) (2W) S1:S2
 S5 2011548 DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ?
 S6 41053 ENCRYPT? OR ENCIPHER? OR ENCYIPHER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCYIPHER? OR DECIPHER? OR DECYIPHER? OR UNCRYPT? OR UNCYIPHER? OR UNCIPHER?
 S7 41053 ENCRYPT? OR ENCIPHER? OR ENCYIPHER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCYIPHER? OR DECIPHER? OR DECYIPHER? OR UNCRYPT? OR UNCYIPHER? OR UNCIPHER?
 S8 1639 DESCRAMBL? OR UNSCRAMBL?
 S9 31722 SCRAMBL?
 S10 802521 CODED OR CODING OR ENCOD???? ? OR INCOD???? ? OR CODIFY? OR CODIFIE? OR CODIFICA? OR DECOD???? ? OR UNENCOD? OR UNINCOD? OR UNCOD???? ?
 S11 12525 WATERMARK? OR WATER() (MARK OR MARKS OR MARKED OR MARKING? -)

?) OR STEGANOGRAPH? OR STEGANOGRAM? OR STEGANO() (GRAPH???? ? -
OR GRAM? ?)
S12 23770 S5(3N) (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBS-
ET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)
S13 4796 S5(3N) (PART OR PARTS)
S14 2 S3:S4(10N)S5
S15 5 S12:S13(15N)S1:S2
S16 15 S3:S4(S)S5
S17 55 S12:S13(S)S1:S2
S18 9 S16:S17 AND S7:S10
S19 8 RD (unique items)

19/7/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

7468647 INSPEC Abstract Number: B2003-01-6210R-018, C2003-01-6130M-014
Title: Efficient identification of traitors in fingerprinted multimedia
contents

Author(s): Fernandez, M.; Soriano, M.
Author Affiliation: Dept. d'Enginyeria Telematica, Univ. Politecnica de
Catalunya, Barcelona, Spain
Conference Title: Proceedings 13th International Workshop on Database and
Expert Systems Applications. DEXA 2002 p.463-7
Editor(s): Tjoa, A.M.; Wagner, R.R.
Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA
Publication Date: 2002 Country of Publication: USA xxi+898 pp.
ISBN: 0 7695 1668 8 Material Identity Number: XX-2002-02894
U.S. Copyright Clearance Center Code: 1529-4188/02/\$17.00
Conference Title: Proceedings 13th International Workshop on Database and
Expert Systems Applications
Conference Date: 2-6 Sept. 2002 Conference Location: Aix-en-Provence,
France
Language: English Document Type: Conference Paper (PA)
Treatment: Theoretical (T)
Abstract: In a fingerprinting scheme a different set of marks is embedded
in each copy of a digital object , in order to deter illegal
redistribution. A group of dishonest users, called traitors, collude to
create a pirate copy that hides their identities, by putting together
different parts of their copies . If the sets to be embedded are the
codewords of an error correcting code then efficient algorithms can be used
to trace the guilty. In this paper we present a tracing algorithm that, by
taking advantage of soft-decision decoding techniques, finds all possible
identifiable traitors. (9 Refs)
Subfile: B C
Copyright 2002, IEE

19/7/8 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

(c) 2004 INIST/CNRS. All rts. reserv.

15663034 PASCAL No.: 02-0369071
Collusion secure q-ary fingerprinting for perceptual content
Security and privacy in digital rights management. Philadelphia PA, 5
November 2001 : revised papers
SAFAVI-NAINI Reihaneh; YEJING WANG
SANDER Tomas, ed
School of Information Technology and Computer Science University of

Wollongong, Wollongong 2522, Australia

ACM CCS-8 workshop DRM 2001ACM workshop on security and privacy in
digital rights managementACM conference on computer and communications
security, 8 (Philadelphia PA USA) 2001-11-05

Journal: Lecture notes in computer science, 2002, 2320 57-75

ISBN: 3-540-43677-4 ISSN: 0302-9743 Availability: INIST-16343;
354000096950250050

No. of Refs.: 27 ref.

Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)

Country of Publication: Germany

Language: English

We propose a q-ary fingerprinting system for stored **digital objects** such as images, videos and audio clips. A fingerprint is a q-ary sequence. The object is divided into blocks and each symbol of the fingerprint is embedded into one block. Colluders construct a pirate object by assembling **parts** from their **copies**. They can also erase some of the marks or cut out part of the object resulting in a shortened fingerprint with some unreadable marks. We give constructions of codes that can identify one of the colluders once a pirate object is found.

Copyright (c) 2002 INIST-CNRS. All rights reserved.

?

File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Apr
(c)2004 Info.Sources Inc

Set	Items	Description
S1	4788	(DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYBER OR ONLINE OR VIRTUAL OR LINE)(1W)(CONTENT? ? OR ASSET? ? OR DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES - OR OBJECT? ? OR RECORD? ?)
S2	16	EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
S3	8	(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? - OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)(- 2W)S1:S2
S4	13	(PART OR PARTS)(2W)S1:S2
S5	5593	DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ?
S6	3067	ENCRYPT? OR ENCIPHER? OR ENCYIPHER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCYIPHER? OR DECIPHER? OR DECYIPHER? OR UNCRYPT? OR UNCYIPHER? OR UNCIPHER?
S7	3067	ENCRYPT? OR ENCIPHER? OR ENCYIPHER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCYIPHER? OR DECIPHER? OR DECYIPHER? OR UNCRYPT? OR UNCYIPHER? OR UNCIPHER?
S8	15	DESCRAMBL? OR UNSCRAMBL?
S9	103	SCRAMBL?
S10	2726	CODED OR CODING OR ENCOD???? ? OR INCOD???? ? OR CODIFY? OR CODIFIE? OR CODIFICA? OR DECOD???? ? OR UNENCOD? OR UNINCOD? OR UNCOD???? ?
S11	187	WATERMARK? OR WATER()(MARK OR MARKS OR MARKED OR MARKING? - ?) OR STEGANOGRAPH? OR STEGANOGRAF? OR STEGANO()(GRAPH???? ? - OR GRAM? ?)
S12	0	S3:S4(10N)S5
S13	55	S5(3N)(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)
S14	33	S5(3N)(PART OR PARTS)
S15	0	S13:S14(10N)S1:S2
S16	4	S13:S14(S)S1:S2
S17	4	RD (unique items)

? t17/7/3-4

17/7/3
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2004 Info.Sources Inc. All rts. reserv.

00119085 DOCUMENT TYPE: Review

PRODUCT NAMES: Local Content Manager (771139)

TITLE: Closing the Gap Between Customers and Content
AUTHOR: Pugh, Angela M
SOURCE: Data Communications, v28 n8 p32(2) May 21, 1999
ISSN: 0363-6399

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Digital Island's Local Content Manager is a service for high-volume Web sites, electronic software distribution, and electronic publishing. Local Content Manager has seven distribution sites, called LCMs globally. Each LCM has Enterprise Servers from Sun Microsystems with redundant processors

and power supplies, Sun RAID storage systems, 7000 series routers from Cisco Systems, caching software from Inktomi, and replication software from Webspective Software. All are linked by a T3 ATM backbone connected to the Internet via prominent Internet service providers (ISPs) in each covered location. Customers store their content on Web servers at one of four data centers, and can update it from far away. Digital Island's **components** can then automatically **replicate** it to all LCMs. The LCM hosting service is a pioneer in distributing content and applications to servers around the globe using mirroring and caching. Advantages to companies/customers include connection costs of as much as 25 to 30 percent, because some of the data becomes available locally and does not have to be shipped over high-cost international lines each time a user requests it. End-users will find that when a uniform resource locator (URL) is clicked, the request is sent to a local ISP linked to the Digital Island backbone. The ISP learns the origin of the request and sends it to the nearest **Digital Island Data center**.

REVISION DATE: 20021030

17/7/4
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
(c)2004 Info.Sources Inc. All rts. reserv.

00081629 DOCUMENT TYPE: Review

PRODUCT NAMES: Oracle (004233)

TITLE: Distributed Enterprise
AUTHOR: Borsook, Paulina
SOURCE: Oracle Magazine, v9 n4 p30(13) Jul/Aug 1995
ISSN: 1065-3171
HOMEPAGE: <http://www.oramag.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Problems encountered in creating a distributed enterprise, and technologies that can ameliorate them, are described. Solutions discussed support data synchronization; communication and network bandwidth; security; support; compatibility; performance; and data ownership, among others. One user, a large U.S. retailer, has an Oracle-based, partitioned database system based on disparate merchandising lines. The effective system utilizes a scalable UNIX client/server architecture and a home page on the World Wide Web (Web). The firm uses asynchronous **replication** to distribute data **subsets** from the merchandising database over multiple machines. Additional topics covered, among others, include methods for managing replicated data; communications issues; IT support and infrastructure; firewalls; mobile computing; and **electronic data interchange**.

REVISION DATE: 20030428

File 696:DIALOG Telecom. Newsletters 1995-2004/May 20
(c) 2004 The Dialog Corp.
File 15:ABI/Inform(R) 1971-2004/May 21
(c) 2004 ProQuest Info&Learning
File 98:General Sci Abs/Full-Text 1984-2004/May
(c) 2004 The HW Wilson Co.
File 484:Periodical Abs Plustext 1986-2004/May W3
(c) 2004 ProQuest
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 613:PR Newswire 1999-2004/May 21
(c) 2004 PR Newswire Association Inc
File 635:Business Dateline(R) 1985-2004/May 21
(c) 2004 ProQuest Info&Learning
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 610:Business Wire 1999-2004/May 21
(c) 2004 Business Wire.
File 369:New Scientist 1994-2004/May W2
(c) 2004 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
File 20:Dialog Global Reporter 1997-2004/May 21
(c) 2004 The Dialog Corp.
File 624:McGraw-Hill Publications 1985-2004/May 20
(c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2004/May 20
(c) 2004 San Jose Mercury News
File 647:CMP Computer Fulltext 1988-2004/May W2
(c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/May W3
(c) 2004 IDG Communications

Set	Items	Description
S1	809306	(DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYBER OR ONLINE OR VIRTUAL OR LINE) (1W) (CONTENT? ? OR ASSET? ? OR DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES - OR OBJECT? ? OR RECORD? ?)
S2	3355	EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
S3	1578	(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? - OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?) (- 2W) S1:S2
S4	641	(PART OR PARTS) (2W) S1:S2
S5	2535911	DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ?
S6	151252	ENCRYPT? OR ENCIPHER? OR ENCRYPTER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCRYPTER? OR DECIPHER? OR DECRYPTER? OR UNCRYPT? OR UNCRYPTER? OR UNCIPHER?
S7	151252	ENCRYPT? OR ENCIPHER? OR ENCRYPTER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCRYPTER? OR DECIPHER? OR DECRYPTER? OR UNCRYPT? OR UNCRYPTER? OR UNCIPHER?
S8	5197	DESCRAMBL? OR UNSCRAMBL?
S9	152336	SCRAMBL?
S10	294975	CODED OR CODING OR ENCOD???? ? OR INCOD???? ? OR CODIFY? OR CODIFIE? OR CODIFICA? OR DECOD???? ? OR UNENCOD? OR UNINCOD? OR UNCOD???? ?
S11	18424	WATERMARK? OR WATER() (MARK OR MARKS OR MARKED OR MARKING? - ?) OR STEGANOGRAPH? OR STEGANOGRAM? OR STEGANO() (GRAPH???? ? - OR GRAM? ?)
S12	10503	S5(3N) (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)

T? ?)
S13 8595 S5 (3N) (PART OR PARTS)
S14 319 S3:S4(10N)S5
S15 37 S12:S13(15N)S1:S2
S16 309 S14:S15(S)S7:S10
S17 308 S14:S15(S)S7:S9
S18 0 S16:S17(S)S11
S19 1 S16/2000:2004
S20 308 S16 NOT S19
S21 117 300()MILLION()COPIES(1W)RSA
S22 194 S20 NOT S21
S23 161 300(2W)MILLION(2W)COPIES(2W)RSA
S24 150 S22 NOT S23
S25 468 MILLION(2W)COPIES(2W)RSA
S26 4 S24 NOT S25
?

File 9:Business & Industry(R) Jul/1994-2004/May 19
 (c) 2004 The Gale Group
 File 16:Gale Group PROMT(R) 1990-2004/May 21
 (c) 2004 The Gale Group
 File 47:Gale Group Magazine DB(TM) 1959-2004/May 20
 (c) 2004 The Gale group
 File 148:Gale Group Trade & Industry DB 1976-2004/May 21
 (c) 2004 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2004/May 21
 (c) 2004 The Gale Group
 File 570:Gale Group MARS(R) 1984-2004/May 21
 (c) 2004 The Gale Group
 File 621:Gale Group New Prod.Annou.(R) 1985-2004/May 20
 (c) 2004 The Gale Group
 File 636:Gale Group Newsletter DB(TM) 1987-2004/May 21
 (c) 2004 The Gale Group
 File 649:Gale Group Newswire ASAP(TM) 2004/May 20
 (c) 2004 The Gale Group

Set	Items	Description
S1	1204540	(DIGITAL OR DIGITIS? OR DIGITIZ? OR ELECTRONIC OR E OR CYBER OR ONLINE OR VIRTUAL OR LINE) (1W) (CONTENT? ? OR ASSET? ? OR DATA OR INFORMATION OR FILE OR FILES OR MESSAGE OR MESSAGES - OR OBJECT? ? OR RECORD? ?)
S2	5359	EFILE? ? OR EMESSAGE? OR EDATA OR ECONTENT? ? OR ERECORD? ?
S3	2826	(PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? - OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?) (-2W) S1:S2
S4	1315	(PART OR PARTS) (2W) S1:S2
S5	2112331	DUPLICAT? OR REPLICAT? OR COPY??? ? OR COPIES OR COPIED OR REPRODUC? OR CLONE? ? OR CLONING OR RE()PRODUC????? ?
S6	245161	ENCRYPT? OR ENCIPHER? OR ENCYIPHER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCYIPHER? OR DECIPHER? OR DECYIPHER? OR UNCRYPT? OR UNCYIPHER? OR UNCIPHER?
S7	245161	ENCRYPT? OR ENCIPHER? OR ENCYIPHER? OR DECRYPT? OR UNENCRYPT? OR UNENCIPHER? OR UNENCYIPHER? OR DECIPHER? OR DECYIPHER? OR UNCRYPT? OR UNCYIPHER? OR UNCIPHER?
S8	10178	DESCRAMBL? OR UNSCRAMBL?
S9	121760	SCRAMBL?
S10	425471	CODED OR CODING OR ENCOD???? ? OR INCOD???? ? OR CODIFY? OR CODIFIE? OR CODIFICA? OR DECOD???? ? OR UNENCOD? OR UNINCOD? OR UNCOD???? ?
S11	22444	WATERMARK? OR WATER() (MARK OR MARKS OR MARKED OR MARKING? - ?) OR STEGANOGRAPH? OR STEGANOGRAF? OR STEGANO() (GRAPH???? ? - OR GRAM? ?)
S12	13844	S5(3N) (PIECE OR PIECES OR PORTION? ? OR SECTION? ? OR SUBSET? ? OR SUB()SET? ? OR FRAGMENT? ? OR COMPONENT? ? OR SEGMENT? ?)
S13	8337	S5(3N) (PART OR PARTS)
S14	569	S3:S4(S)S5
S15	175	S12:S13(S)S1:S2
S16	525	S14:S15(S)S7:S10
S17	18	S16/2000:2004
S18	507	S16 NOT S17
S19	1025	MILLION? ?(2W)COPIES(2W)RSA
S20	8	S18 NOT S19
S21	7	RD (unique items)

File 347:JAPIO Nov 1976-2004/Jan(Updated 040506)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200431
(c) 2004 Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2004/May W02
(c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040513,UT=20040506
(c) 2004 WIPO/Univentio

Set	Items	Description
S1	439	AU='HIRANO H':AU='HIRANO H C O SONY COMPUTER ENTERTAINMENT INC'
S2	80	AU='HIRANO HIDEYUKI':AU='HIRANO HIDEYUKI C O FUJITSU LIMITED'
S3	87	AU='KOTANI S'
S4	26	AU='KOTANI SEIGO':AU='KOTANI SEIGO FUJITSU LIMITED'
S5	793	AU='HASHIMOTO S':AU='HASHIMOTO S OSAKA BRANCH IN K K KOBE - SEIKO SH'
S6	455	AU='HASHIMOTO SHINJI':AU='HASHIMOTO SHINJI MATSUSHITA ELEC WORKS LTD'
S7	23	AU='MURAMOTO K'
S8	14	AU='MURAMOTO KAZUHIKO'
S9	12	S1:S2 AND S3:S8
S10	4265	DIGITAL(1W)CONTENT? ?
S11	9	S1:S8 AND S10
S12	822	S10(25N) (WATERMARK? OR ENCRYPT?)
S13	6	S1:S8 AND S12

13/9/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

07284021 **Image available**
DATA OPERATING METHOD

PUB. NO.: 2002-152490 [JP 2002152490 A]
PUBLISHED: May 24, 2002 (20020524)
INVENTOR(s): HIRANO HIDEYUKI
HASHIMOTO SHINJI
HATTORI MORINORI
MOCHIZUKI SHIGETOSHI
APPLICANT(s): FUJITSU LTD
APPL. NO.: 2000-342753 [JP 2000342753]
FILED: November 10, 2000 (20001110)
INTL CLASS: H04N-001/387; G06T-001/00; G09C-005/00; G10K-015/02;
G10L-011/00; G10L-019/00; H04L-009/08; H04N-007/08;
H04N-007/081; H04N-007/16

ABSTRACT

PROBLEM TO BE SOLVED: To provide a data operating method which prevents infringements of copyrights by encoding and distributing digital contents, and readily grasps what kind of contents the digital contents included in data have.

SOLUTION: Symbol information symbolized so as to visually or aurally recognize contents of digital contents to be distributed is generated (step S12), the symbol information is embedded in a header data (step S13), the digital contents are encoded (step S15), permission information containing information on a contents key is embedded in the header data as digital watermarking (step S16), and a true data and the header data with the permission information are composited for distribution (step S17).

COPYRIGHT: (C)2002, JPO

13/9/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06950264 **Image available**
DATA OPERATION METHOD, RECORDING MEDIUM FOR RECORDING PROGRAM OF IMAGE
GENERATING METHOD, TRANSMISSION MEDIUM FOR TRANSMITTING THE PROGRAM OF THE
IMAGE GENERATING METHOD, RECORDING MEDIUM FOR RECORDING PROGRAM OF IMAGE
DECODING METHOD AND TRANSMISSION MEDIUM FOR TRANSMITTING THE PROGRAM OF THE
IMAGE DECODING METHOD

PUB. NO.: 2001-177816 [JP 2001177816 A]
PUBLISHED: June 29, 2001 (20010629)
INVENTOR(s): HIRANO HIDEYUKI
KOTANI MASATAKE
HASHIMOTO SHINJI
MURAMOTO KAZUHIKO
APPLICANT(s): FUJITSU LTD
APPL. NO.: 11-357131 [JP 99357131]
FILED: December 16, 1999 (19991216)
INTL CLASS: H04N-007/167; G06F-012/14; G06F-015/00; G06F-017/60;
G06T-001/00; H04N-001/387; H04N-007/08; H04N-007/081

ABSTRACT

PROBLEM TO BE SOLVED: To provide a data operation method that facilitates the utilization by legal users without losing the author's copyright and the copyright of **digital contents**.

SOLUTION: Part of **digital contents** 11 is copied to generate a partial data part 43, which is **encrypted** by using a contents key 45, the contents key 45 and image composite information 42 are **encrypted** by an **encryption** key 47 to generate permission information 48, contents information 41 is visibly embedded to the **digital contents** 11, a data part 50 with the permission information to which the permission information 48 is embedded as invisible information and an **encrypted** partial data part 46 are composited to generate composite data 60, which are distributed.

COPYRIGHT: (C)2001, JPO

13/9/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06753365 **Image available**
DATA OPERATING METHOD

PUB. NO.: 2000-339227 [JP 2000339227 A]
PUBLISHED: December 08, 2000 (20001208)
INVENTOR(s): HIRANO HIDEYUKI
KOTANI MASATAKE
HASHIMOTO SHINJI
APPLICANT(s): FUJITSU LTD
APPL. NO.: 11-147769 [JP 99147769]
FILED: May 27, 1999 (19990527)
INTL CLASS: G06F-012/14; G06T-001/00; H04N-001/387

ABSTRACT

PROBLEM TO BE SOLVED: To prevent piracy by distributing digital contents by ciphering them and to prevent destruction and loss of permission information to decode the ciphered digital contents.

SOLUTION: The ciphered contents 45 is generated by ciphering the digital contents 11 by a contents key 44, a part of the digital contents 11 is extracted as sample data 41, sample data 47 with watermark formed by embedding a secret key 46 formed by ciphering the contents key 44 by user information 14 in the sample data 41 as invisible information is generated and synthetic data 48 formed by synthesizing the ciphered contents 45 with the sample data 47 with watermark is distributed.

COPYRIGHT: (C) 2000, JPO

13/9/4 (Item 1 from file: 350)

DIALOG(R) File 350: Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015683282 **Image available**
WPI Acc No: 2003-745471/200370
XRPX Acc No: N03-597184

Digital content distribution method using Internet, involves embedding encryption key of moving image data, as watermark in advertising information to be distributed along with encrypted moving image data

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: HIRANO H

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030154378	A1	20030814	US 2003364476	A	20030212	200370 B
JP 2003309550	A	20031031	JP 2002337998	A	20021121	200374

Priority Applications (No Type Date): JP 2002337998 A 20021121; JP 200235903 A 20020213

Patent Details:

Patent No	Kind	Lat	Pg	Main IPC	Filing Notes
US 20030154378	A1	17		H04L-009/00	
JP 2003309550	A	11		H04L-009/08	

Abstract (Basic): US 20030154378 A1

NOVELTY - A digital moving image data to be used conditionally, is encrypted using a predetermined encryption key by a content provider (20). An advertising publicity information to be used unconditionally, in which the encryption key is embedded as electronic water mark, is generated. The encrypted image data and advertising information are distributed to content user (30).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) digital content use device; and
- (2) computer program product for digital content distribution.

USE - For distributing digital content e.g. moving image data to user, using Internet.

ADVANTAGE - The distribution content is protected, and the content users can use only the amount of content they want to use. Moreover the advertisement providers are benefited, since the users certainly use the adds to get the encryption key.

DESCRIPTION OF DRAWING(S) - The figure shows an explanatory view of the business model using the digital content distribution method.
advertising provider (10)
content provider (20)
content user (30)
usage monitor (40)
pp; 17 DwgNo 1/15

Title Terms: DIGITAL; CONTENT; DISTRIBUTE; METHOD; EMBED; ENCRYPTION; KEY; MOVE; IMAGE; DATA; WATERMARK; ADVERTISE; INFORMATION; DISTRIBUTE; ENCRYPTION; MOVE; IMAGE; DATA

Derwent Class: P85; T01; W01

International Patent Class (Main): H04L-009/00; H04L-009/08
International Patent Class (Additional): G06F-012/14; G06T-001/00; G09C-005/00; H04L-009/32; H04N-001/387; H04N-007/08; H04N-007/081

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): T01-D01; T01-N01D1; T01-N02B1A; W01-A05A

13/9/5 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

014715909 **Image available**

WPI Acc No: 2002-536613/200257

XRPX Acc No: N02-424940

Data administration method for electronic data stored in magnetic disk, floppy disk, DVD, involves embedding consent information containing information on encryption key in header data section as electronic watermark

Patent Assignee: FUJITSU LTD (FUIT); HASHIMOTO S (HASH-I); HATTORI E (HATT-I); HIRANO H (HIRA-I); MOCHIZUKI S (MOCH-I)

Inventor: HASHIMOTO S ; HATTORI E; HIRANO H ; MOCHIZUKI S

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020059522	A1	20020516	US 2001811550	A	20010320	200257 B
JP 2002152490	A	20020524	JP 2000342753	A	20001110	200257

Priority Applications (No Type Date): JP 2000342753 A 20001110

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

US 20020059522	A1	26		H04L-009/32	
----------------	----	----	--	-------------	--

JP 2002152490	A	15		H04N-001/387	
---------------	---	----	--	--------------	--

Abstract (Basic): US 20020059522 A1

NOVELTY - A header data section (16) is prepared for visual or auditory recognition of digital content attributes. A consent information (13) added to section (16) containing consent data on an encryption key in encrypting digital content is embedded in section (16) as an electronic watermark. A composite data is prepared in which a real data section (15) and consent data added header data section are composited, thereby distributing composite data.

USE - For data administration in computer program and in electronic publication and for electronic data stored on magneto optical disk, digital video disk, floppy disk, mini disk, etc.

ADVANTAGE - The digital content high in security request is encrypted by using the encryption key to maintain the security effect and the digital content low in the security request omits the encrypting, whereby a reduction in period of time for producing the synthetic data at that time of distribution and reduction in period

of time for starting at the time of using can be made.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram explaining the data administration method.

Consent information (13)
Real data section (15)
Header data section (16)
pp; 26 DwgNo 1/20

Title Terms: DATA; ADMINISTER; METHOD; ELECTRONIC; DATA; STORAGE; MAGNETIC; DISC; FLOPPY; DISC; EMBED; INFORMATION; CONTAIN; INFORMATION; ENCRYPTION; KEY; HEADER; DATA; SECTION; ELECTRONIC; WATERMARK

Derwent Class: P85; P86; T01; T03; W04

International Patent Class (Main): H04L-009/32; H04N-001/387

International Patent Class (Additional): G06F-011/30; G06F-012/14; G06T-001/00; G09C-005/00; G10K-015/02; G10L-011/00; G10L-019/00; H04L-009/08; H04N-007/08; H04N-007/081; H04N-007/16; H04N-007/167

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): T01-D01; T01-H01B1; T03-N01; W04-F01L3

13/9/6 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

013632250 **Image available**

WPI Acc No: 2001-116458/200113

XRPX Acc No: N01-085919

Data implementation involves producing synthesis data by synthesizing encryption contents obtained by encryption of digital contents with sample data containing embedded watermark produced based on secret key

Patent Assignee: FUJITSU LTD (FUIT)

Inventor: HASHIMOTO S ; HIRANO H ; KOTANI S

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000339227	A	20001208	JP 99147769	A	19990527	200113 B
US 20030177093	A1	20030918	US 2000559259	A	20000427	200362

Priority Applications (No Type Date): JP 99147769 A 19990527

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing Notes
-----------	------	-----	----	------	-----	--------------

JP 2000339227	A	9		G06F	-012/14	
---------------	---	---	--	------	---------	--

US 20030177093	A1			G06F	-017/60	
----------------	----	--	--	------	---------	--

Abstract (Basic): JP 2000339227 A

NOVELTY - Encryption contents (45) are produced by encrypting digital contents (11) using contents key (44). Sample data (41) is extracted from digital contents, and a secret key (46) is obtained by enciphering contents key using user data (14). Watermark (47) with consent information is embedded in sample data based on secret key. Synthesis data (48) is produced by synthesizing contents (45) with the sample data.

USE - For software and electronic publications e.g. computer program and electronic data, on magneto-optical disk, digital video disk, floppy disk, mini disk and other recording media.

ADVANTAGE - Prevents the infringement of copyright by performing encryption of digital contents. Prevents the loss of decoding key and eliminates complicated decoding operation. Maintains high security by embedding consent information as invisible information in the sample data.

DESCRIPTION OF DRAWING(S) - The figure shows the theoretical

diagram of digital contents distribution system.

Digital contents (11)
User information (14)
Sample data (41)
Contents key (44)
Encryption contents (45)
Secret key (46)
Watermark (47)
Synthesis data (48)

pp; 9 DwgNo 4/9

Title Terms: DATA; IMPLEMENT; PRODUCE; SYNTHESIS; DATA; SYNTHESIS;
ENCRYPTION; CONTENT; OBTAIN; ENCRYPTION; DIGITAL; CONTENT; SAMPLE; DATA;
CONTAIN; EMBED; WATERMARK; PRODUCE; BASED; SECRET; KEY

Derwent Class: T01

International Patent Class (Main): G06F-012/14; G06F-017/60

International Patent Class (Additional): G06T-001/00; H04N-001/387

File Segment: EPI

Manual Codes (EPI/S-X): T01-D01

?